

METHOD AND SYSTEM FOR PROVIDING MULTI-CHANNEL  
FUNCTIONALITY WITH A TELECOMMUNICATION DEVICE  
5 COMPRISING A SINGLE CHANNEL

ABSTRACT OF THE DISCLOSURE

A method for providing multi-channel functionality  
with a telecommunication device (10) comprising a single  
10 channel is provided. The method includes dividing a scan  
chain (34) of digital logic components (24) into a  
plurality of sub-chains (42). A first data set is  
provided in the sub-chains (42). The sub-chains (42) are  
linked in parallel. The sub-chains (42) are linked to a  
15 device memory (18). A first application is executed to  
update the first data set in the sub-chains (42). The  
first application is operable to use the channel. The  
updated first data set is stored in the device memory  
(18). A second data set is restored from the device  
20 memory (18) to the sub-chains (42). A second application  
is executed to update the second data set in the sub-  
chains (42). The second application is operable to use  
the channel.